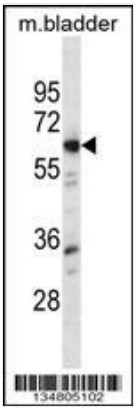
LYN Antibody – Rabbit Polyclonal

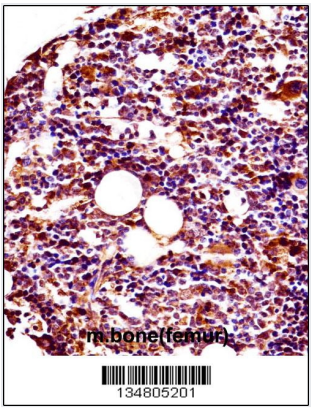
PRODUCT OVERVIEW

Product Name	Lyn, Polyclonal Antibody
Full Product Name	Lyn, NT (Lyn, Tyrosine-protein kinase Lyn, V-yes-1 Yamaguchi sarcoma viral related oncogene homolog, p53Lyn, p56Lyn) (FITC)
Product Gene Name	anti-Lyn antibody
Product Synonym Names	Lyn; Tyrosine-protein kinase Lyn; V-yes-1 Yamaguchi sarcoma viral related oncogene homolog; p53Lyn; p56Lyn
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	58,812 Da
3D Structure	ModBase 3D Structure for P25911
Immunogen	Mouse Lyn antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of Mouse Lyn.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-Lyn antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-Lyn antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-Lyn antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-Lyn antibody	Lyn acts as a positive regulator of cell movement while negatively regulating adhesion to stromal cells by inhibiting the ICAM-1-binding activity of beta-2 integrins. Acts as the mediator that relays suppressing signals from the chemokine receptor CXCR4 to beta-2 integrin LFA-1 in hematopoietic precursors. Involved in induction of stress-activated protein kinase (SAPK), but not ERK or p38 MAPK, in response to genotoxic agents. Induces SAPK by a MKK7-and MEKK1-dependent mechanism. The LYN-> MEKK1-> MKK7-> SAPK pathway is functional in the induction of apoptosis by genotoxic agents (By similarity). Down regulates expression of stem cell growth factor receptor (KIT). Acts as an effector of EpoR (erythropoietin receptor) in controlling KIT expression and may play a central role in erythroid differentiation during the switch between proliferation and maturation.

Product References and Citations for anti-Lyn antibody	Scapini, P., et al. J. Exp. Med. 207(8):1757-1773(2010). Gutierrez, T., et al. Eur. J. Immunol. 40(7):1897-1905(2010). Charles, N., et al. Nat. Med. 16(6):701-707(2010). Keck, S., et al. J. Immunol. 184(10):5809-5818(2010). Alvarez-Errico, D., et al. J. Immunol. 184(9):5000-5008(2010).
Other Notes	Small volumes of anti-Lyn antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Lyn purchase	MBS6317673 is an antibody targeting Lyn. Also known as Lyn, NT (Lyn, Tyrosine-protein kinase Lyn, V-yes-1 Yamaguchi sarcoma viral related oncogene homolog, p53Lyn, p56Lyn) (FITC). Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-Lyn antibody
Mouse Lyn Antibody (N-term) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the Lyn antibody detected the Lyn protein (arrow).



Immunohistochemistry (IHC) of anti-Lyn antibody
Mouse Lyn Antibody (N-term) (AP14624a)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse bone(femur) followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Lyn Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Lyn. It may not necessarily be applicable to this product.

NCBI GI #	161760636
NCBI GeneID	17096
NCBI Accession #	NP_001104566.1
UniProt Primary Accession #	P25911
UniProt Secondary Accession #	Q62127
UniProt Related Accession #	P25911
GenBank Nucleotide #	NM_001111096.1
NCBI Official Full Name	tyrosine-protein kinase Lyn isoform A
NCBI Official Synonym Full Names	Yamaguchi sarcoma viral (v-yes-1) oncogene homolog
NCBI Official Symbol	Lyn
NCBI Official Synonym Symbols	Hck-2; p53Lyn; p56Lyn; AA407514
UniProt Protein Name	Tyrosine-protein kinase Lyn
UniProt Synonym Protein Names	V-yes-1 Yamaguchi sarcoma viral related oncogene homolog; p53Lyn; p56Lyn
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	Lyn
UniProt Entry Name	LYN_MOUSE
NCBI Protein Information	tyrosine-protein kinase Lyn; V-yes-1 Yamaguchi sarcoma viral related oncogene homolog

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